Title (en)
PRIORITY-BASED QUEUEING FOR SCALABLE DEVICE COMMUNICATION

Title (de)
PRIORITÄTSBASIERTE WARTESCHLANGENBILDUNG FÜR SKALIERBARE GERÄTEKOMMUNIKATION

Title (fr)
MISE EN FILE D'ATTENTE BASÉE SUR LA PRIORITÉ POUR UNE COMMUNICATION DE DISPOSITIF ÉVOLUTIF

Publication
EP 4042645 A1 20220817 (EN)

Application
EP 20875350 A 20201008

Priority
- US 201916598542 A 20191010
- US 2020054675 W 20201008

Abstract (en)
[origin: US2020177517A1] An electronic device (such as an access point or an eNodeB) that selectively provides prioritized communication is described. During operation, the electronic device may receive one or more packets or frames from a second electronic device using a communication protocol. Then, the electronic device may determine device-specific information based at least in part on a device profile associated with the communication protocol and/or a communication history of the second electronic device. Next, based on the determined device-specific information, the electronic device may assign additional data traffic associated with the second electronic device to a queue in a set of queues, where queues in the set of queues have different priorities, and where the queue provides a predefined latency of communication with the second electronic device corresponding to a priority of the queue.

IPC 8 full level
H04W 4/70 (2018.01); **H04W 4/80** (2018.01)

CPC (source: EP US)
H04L 47/6215 (2013.01 - EP US); **H04L 47/6295** (2013.01 - US); **H04W 4/70** (2018.01 - US); **H04W 4/80** (2018.01 - US); H04L 47/6275 (2013.01 - EP); H04L 67/12 (2013.01 - EP); H04L 67/535 (2022.05 - EP); H04W 4/70 (2018.01 - EP); H04W 4/80 (2018.01 - EP)

Citation (search report)
See references of WO 2021072011A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 11277351 B2 20220315; **US 2020177517 A1 20200604**; EP 4042645 A1 20220817; WO 2021072011 A1 20210415

DOCDB simple family (application)
US 201916598542 A 20191010; EP 20875350 A 20201008; US 2020054675 W 20201008